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ABSTRACT

Student performance in individual courses constitutes a fundamental learning outcome, as assessed by the faculty. Examination of student outcomes at the course level is especially appropriate at community colleges, since as many as half the students in credit courses have no intention of earning a degree. Fall 1994 final course grades of students attending Prince George's Community College, in Largo, Maryland, were analyzed to determine course pass rates. Study findings included the following: (1) the collegewide course pass rate was 77%, which equals the all-time high achieved in fall 1992; (2) pass rates increased from 83% to 84% for occupational courses and from 75% to 76% for general education courses; (3) the pass rate of students in educational development courses was 63% for the second year in a row; (4) due to consistently above-average pass rates for courses in nursing and allied health, the Health Technology division continued to have the highest divisional pass rate; (5) disciplines with high pass rates included radiography, early childhood management, nuclear medicine, early childhood education, construction management, health education, business, nursing, English as a Foreign Language, health information technology, literature, paralegal, and management; (6) disciplines with low pass rates included real estate, chemistry, developmental reading and mathematics, anthropology, and mathematics; (7) women had higher pass rates than men (79% versus 72%); (8) students over 25 years old had higher pass rates (85%) than students under 21 (71%) or between 21 and 25 (75%); (9) continuing students had a higher pass rate (79%) than new students (71%); and (10) first-time black males under age 21 and continuing black males aged 21-25 showed improvement in pass rates over fall 1993. (MAB)

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ED 380 154

Course Pass Rates in Fall 1994

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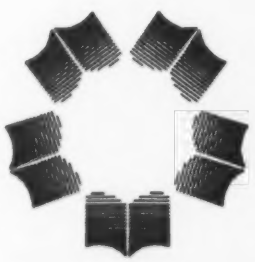

PRINCE GEORGE'S
COMMUNITY COLLEGE

Office of Institutional Research and Analysis

Enrollment Analysis EA95-6

March 1995

JC 950 140

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Office of Institutional Research and Analysis

COURSE PASS RATES IN FALL 1994

Enrollment Analysis Report EA95-6
March 1995

Introduction

This report presents course pass rate highlights from an analysis of Fall 1994 final grades. Student performance in individual courses constitutes a fundamental learning outcome, as assessed by the faculty. Examination of student outcomes at the course level is especially appropriate at community colleges, since as many as half the students enrolled in credit classes may have no intention of earning a degree.

Methodology

Course pass rates are calculated from final grade distributions. The pass rate represents the percentage of initial course enrollees receiving passing grades, including D and TP (toward passing) grades. The more failures and withdrawals, the lower the pass rate. Pass rates are calculated for each course, discipline, department, and division, and analyzed by student gender, age, race, and admission status. The findings at higher levels of aggregation are included in this report; detailed tables are available in Technical Memorandum TM95-10.

Also included are pass rates calculated for individual courses with initial enrollments of 100 or more students. Pass rates for many introductory courses are reported in this table, as well as those for several developmental courses.

Collegewide Results

The collegewide course pass rate in Fall 1994 was 77 percent, which equals the all-time high established in Fall 1992. Students in occupational courses have generally had a higher pass rate than those in general education or developmental studies. In Fall 1994, the pass rate of students in occupational courses was 84 percent and the pass rate of students in general education courses was 76 percent, an increase of one percentage point each from Fall 1993. The pass rate of students in educational development was 63% for the second year in a row.

Collegewide Pass Rates, Fall 1989-94

	1989	1990	1991	1992	1993	1994
Occupational	78%	80%	83%	83%	83%	84%
General Education	74%	75%	75%	76%	75%	76%
Ed.Development	66%	67%	65%	64%	63%	63%
Collegewide	75%	76%	76%	77%	76%	77%

Divisional Course Pass Rate Trends

Due to consistently above-average pass rates for courses in nursing and allied health, the Health Technology division continued to have the highest divisional pass rate. Divisional pass rates have been relatively stable during the past 3 fall terms:

Course Pass Rates by Division, Fall 1989-94

	1989	1990	1991	1992	1993	1994
Health Technology	87%	91%	91%	92%	95%	92%
Physical/Health Ed.	88%	87%	90%	86%	85%	85%
Business/Management	78%	81%	82%	83%	82%	84%
Computer/Engineering	75%	75%	80%	80%	80%	81%
Humanities	81%	83%	83%	83%	82%	80%
Social Sciences	75%	74%	76%	78%	75%	78%
English Studies	71%	73%	71%	75%	78%	77%
Science and Math	67%	67%	65%	69%	67%	68%

Pass Rates by Discipline

Pass rates vary by discipline. In Fall 1994, thirteen disciplines had pass rates more than 10 percentage points above the collegewide average. Six of the disciplines with high pass rates were in the Business/Management division; four were in Health Technology. A detailed table of course completion rates, by discipline, from Fall 1989-1994 is included with this report.

Disciplines with High Pass Rates, Fall 1992-94
(Minimum of 30 Enrollees)

	1992	1993	1994
Radiography	93%	94%	100%
Early Childhood Management	85%	94%	98%
Nuclear Medicine	96%	100%	98%
Early Childhood Education	96%	82%	95%
Construction Management	88%	93%	93%
Health Education	85%	85%	91%
Business	91%	89%	91%
Nursing	92%	96%	90%
English as a Foreign Language	92%	92%	90%
Health Information Technology	93%	97%	90%
Literature	87%	85%	88%
Paralegal	86%	91%	88%
Management	85%	85%	87%

In Fall 1994, six disciplines (with at least 30 enrollees) had course pass rates more than 10 percentage points below the collegewide average. Mathematics increased 4 percentage points over 1993. Developmental Math recorded an increase of 2 percentage points, to reach 61 percent, the highest completion rate in this discipline since 1990. In contrast to these increases, Chemistry had a pass rate drop of 9 percentage points from Fall 1993, falling to 60 percent, the lowest completion rate for this discipline since 1989. The pass rate for Developmental Reading dropped 6 percentage points to 62 percent, the lowest on record.

Disciplines with Low Pass Rates, Fall 1992-94

	1992	1993	1994
Real Estate	84%	71%	55%
Chemistry	66%	69%	60%
Dev. Math	59%	58%	61%
Dev. Reading	68%	68%	62%
Anthropology	64%	61%	62%
Mathematics	65%	61%	65%

Individual Course Pass Rates

The collegewide pass rate in Fall 1994 was 77 percent. Among courses with at least 100 enrollees, pass rates varied from a low of 49 percent (Chemistry 101) to a high of 94 percent (Health Education 115). Nine of the identified courses had pass rates more than 10 percentage points above the college mean, while fourteen courses fell 10 percentage points or more below the collegewide rate. Eight courses had pass rates 60 percent or below:

Courses with Lowest Pass Rates in Fall 1994

Course	Enrollment	Completions	Pass Rate
CHM 101	268	131	49%
MAT 125	251	134	53%
DVM 004	313	174	56%
DVM 001	181	101	56%
DVM 003	533	304	57%
MAT 108	115	66	57%
MAT 107	253	149	59%
DVR 006	368	219	60%

Fall Course Pass Rates by Demographic Group

Pass rates were analyzed by several variables on the student information system. Aggregate rates for selected student categories are presented below. Rates for the four previous years are included for comparison purposes:

Course Pass Rates, Demographic Groups, Fall 1990-94

	1990	1991	1992	1993	1994
Women	78%	78%	80%	79%	79%
Men	72%	73%	73%	72%	73%
Under 21	71%	70%	71%	70%	71%
21-25	74%	75%	76%	75%	75%
Over 25	83%	83%	84%	84%	85%
Black	72%	72%	74%	74%	74%
White	80%	81%	82%	80%	81%
Other	74%	78%	78%	78%	77%
First-time	71%	71%	72%	72%	73%
Continuing	78%	78%	79%	78%	79%
All Students	76%	76%	77%	76%	77%

Women, students over age 25, whites, and continuing students consistently achieved group course pass rates above the college average. Men, students under 21 years of age, blacks, and first-time college students achieved group course pass rates below the college average. Detailed tables displaying pass rates by each variable and for each discipline are appended.

Subgroup Analysis

Thirty six student subgroups were generated by crosstabulation of gender, age, race, and admission status variables. Six of these groups have had consistently low pass rates (see table below). Of these six groups, only first-time black males under age 21 and continuing black males age 21-25 showed improvement in overall pass rates over Fall 1993. First-time black males under age 21 increased three percentage points from Fall 1993, the second year of increase. Continuing black males age 21-25 increased two percentage points for the second consecutive year:

Student Subgroups with Low Course Pass Rates, Fall 1989-94

	1989	1990	1991	1992	1993	1994
First-time black males under 21	57%	57%	56%	54%	56%	59%
Continuing black males under 21	63%	66%	65%	65%	64%	62%
First-time black males 21-25	59%	61%	70%	69%	67%	62%
First-time white males under 21	70%	68%	67%	66%	70%	68%
First-time black females under 21	64%	67%	65%	69%	70%	69%
Continuing black males 21-25	63%	69%	70%	69%	71%	73%

Summary

This report has examined course pass rates for each division and discipline, as well as for various subgroups constructed using crosstabulations of demographic data available on the student information system.

The 77 percent collegewide pass rate for Fall 1994 was less than one percentage point higher than Fall 1993. Subject areas and student subgroups with pass rates substantially different from the college average have been identified. There were increases in the proportion of successful course completions by both first-time black males under age 21 and continuing black male students age 21-25. Of the highest risk groups at PGCC, first-time black males 21-25 had the greatest decrease during Fall 1994, 5 percentage points. Continuing black males under 21, first-time white males under 21, and first-time black females under 21 had decreases of 2, 2, and 1 percentage points respectively.

Many variables that impact on student course success were not available on the database used to generate this analysis. Prior educational experiences, socio-economic background, employment demands, individual motivation and study habits, family responsibilities--these and other variables plausibly related to course success were not available. This analysis was limited to reporting pass rates for various classifications of courses and students. It was not possible to attempt to explain the differences found.

Patricia K. Diehl
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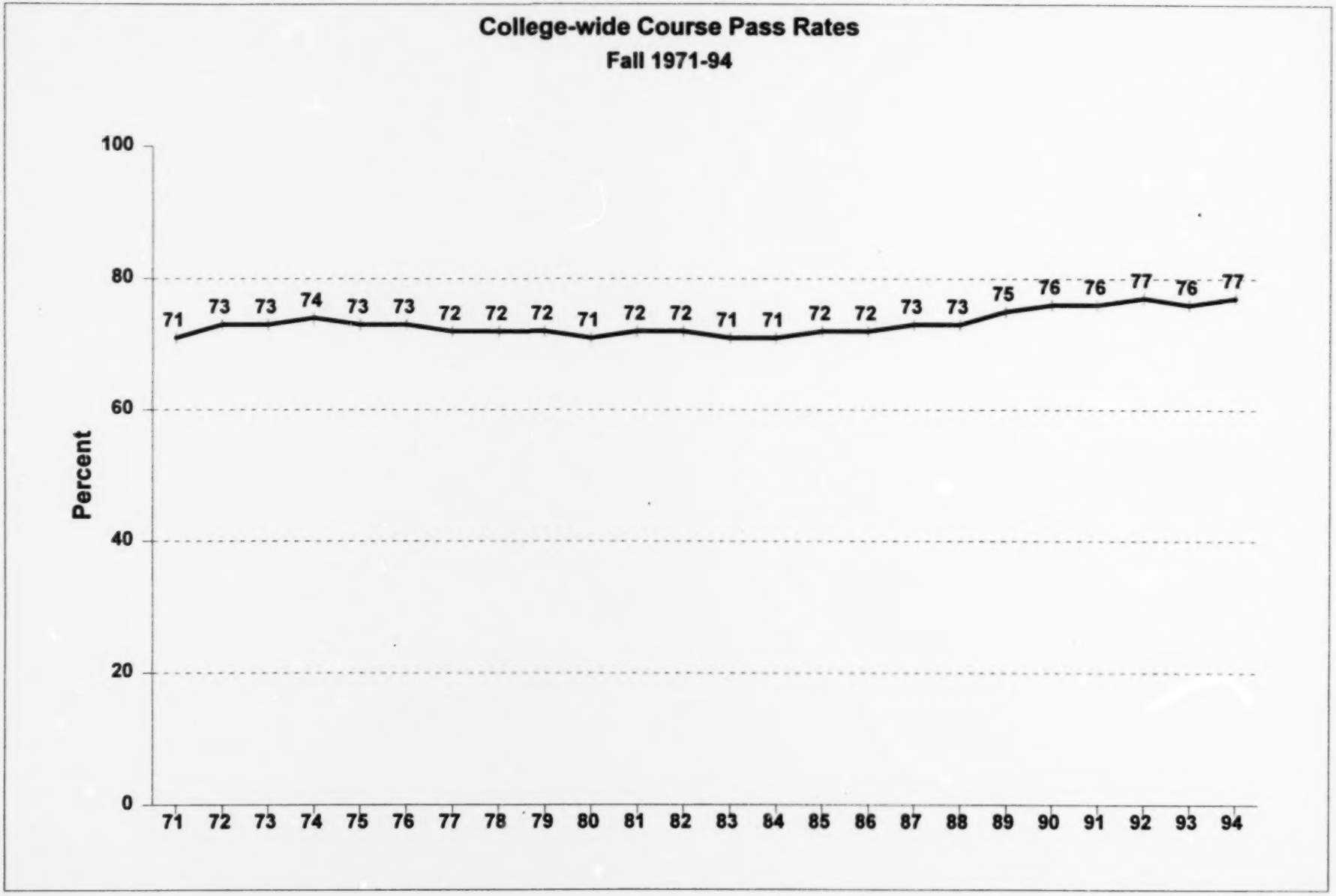
College-wide Course Pass Rates
Fall 1971-94
Percent
100
80
60
40
20
0
71 73 73 74 73 73 72 72 72 71 72 72 71 71 72 72 73 73 75 76 76 77 76 77
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94

Course Completion Rates

All Disciplines, Fall 1994

DIVISIONS/DISCIPLINES	INITIAL ENROLLMENT	NUMBER PASSING	PASS RATE
OCCUPATIONAL EDUCATION	**7,273**	**6,104**	**83.9%**
Health Technology	**687**	**633**	**92.1%**
Radiography	140	140	100.0%
Nuclear Medicine	47	46	97.9%
Health Services	13	12	92.3%
Nursing	320	288	90.0%
Health Information Technology	97	87	89.7%
Respiratory Therapy	70	60	85.7%
Business/Management	**4,562**	**3,829**	**83.9%**
Early Childhood Management	54	53	98.1%
Early Childhood Education	180	171	95.0%
Construction Management	41	38	92.7%
Business	241	218	90.5%
Paralegal	489	430	87.9%
Management	1,155	1,004	86.9%
Criminal Justice Technology	703	606	86.2%
Hospitality Services Mgt.	54	46	85.2%
Office Administration	322	263	81.7%
Marketing	162	126	77.8%
Accounting	1,117	850	76.1%
Real Estate	44	24	54.5%
Computer and Engineering	**2,024**	**1,642**	**81.1%**
Engineering Technology	340	287	84.4%
Computer Information Systems	1,684	1,355	80.5%
GENERAL EDUCATION	**16,276**	**12,329**	**75.7%**
Physical Education & Health	**1,119**	**947**	**84.6%**
Health	297	271	91.2%
Physical Education	822	676	82.2%
Humanities	**3,365**	**2,704**	**80.4%**
Eng. as a Foreign Language	516	463	89.7%
Foreign Languages	247	208	84.2%
Speech	1,142	930	81.4%
Music	271	219	80.8%
Art	588	461	78.4%
TV, Radio and Film	52	40	76.9%
Philosophy	443	318	71.8%
Theater	92	64	69.6%
Hum 198/Art Experiences	14	1	7.1%

Course Completion Rates

All Disciplines, Fall 1994

DIVISIONS/DISCIPLINES	INITIAL ENROLLMENT	NUMBER PASSING	PASS RATE
Social Science	**3,670**	**2,848**	**77.6%**
Sociology	528	440	83.3%
Political Science	242	193	79.8%
Psychology	1,294	1,019	78.7%
History	1,034	777	75.1%
Economics	415	310	74.7%
Geography	110	80	72.7%
Anthropology	47	29	61.7%
English Studies	**3,344**	**2,572**	**76.9%**
Literature	370	326	88.1%
Advanced Writing	827	664	80.3%
Composition	2,147	1,582	73.7%
Science and Mathematics	**4,778**	**3,258**	**68.2%**
Engineering	98	81	82.7%
Physics	193	153	79.3%
Biology	1,576	1,142	72.5%
Horticulture	26	18	69.2%
Physical Science	356	246	69.1%
Math	2,049	1,331	65.0%
Chemistry	480	287	59.8%
EDUCATIONAL DEVELOPMENT	**2,766**	**1,744**	**63.1%**
Education	26	25	96.2%
College Learning Skills	13	10	76.9%
Developmental Learning Support	148	110	74.3%
Developmental English	376	251	66.8%
Developmental Reading	608	374	61.5%
Developmental Math	1,595	974	61.1%
Career Assessment & Planning	**371**	**282**	**76.0%**
Cooperative Education Classes	**107**	**98**	**91.6%**
TOTAL COLLEGE	**26,793**	**20,557**	**76.7%**

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Course Completion Rates

Fall 1989 - 1994

DIVISIONS/DISCIPLINES	1989	1990	1991	1992	1993	1994
OCCUPATIONAL EDUCATION	**78%**	**80%**	**83%**	**83%**	**83%**	**84%**
Health Technology	**87%**	**91%**	**91%**	**92%**	**95%**	**92%**
Radiography	97%	100%	96%	93%	94%	100%
Nuclear Medicine	97%	80%	92%	96%	100%	96%
Health Services	57%	–	64%	–	100%	92%
Nursing	87%	92%	93%	92%	96%	90%
Health Information Technology	74%	87%	84%	93%	97%	90%
Respiratory Therapy	86%	93%	86%	89%	87%	86%
Business/Management	**78%**	**81%**	**82%**	**83%**	**82%**	**84%**
Early Childhood Management	100%	94%	95%	85%	94%	98%
Early Childhood Education	86%	83%	92%	96%	82%	95%
Construction Management	58%	79%	85%	88%	93%	93%
Business	85%	91%	87%	91%	89%	91%
Paralegal	83%	89%	87%	86%	91%	88%
Management	81%	85%	83%	85%	85%	87%
Criminal Justice Technology	85%	89%	87%	90%	89%	86%
Hospitality Services Mgt.	84%	85%	78%	90%	87%	85%
Office Administration	75%	73%	79%	76%	73%	82%
Marketing	76%	84%	85%	78%	77%	78%
Accounting	71%	73%	75%	74%	73%	76%
Real Estate	75%	72%	89%	84%	71%	55%
Computer and Engineering	**75%**	**75%**	**80%**	**80%**	**80%**	**81%**
Engineering Technology	74%	79%	78%	84%	81%	84%
Computer Information Systems	75%	75%	80%	80%	80%	81%
GENERAL EDUCATION	**74%**	**75%**	**75%**	**76%**	**75%**	**76%**
Physical Education & Health	**88%**	**87%**	**90%**	**86%**	**86%**	**85%**
Health	89%	87%	90%	85%	85%	91%
Physical Education	85%	87%	90%	89%	85%	82%
Humanities	**81%**	**83%**	**83%**	**83%**	**82%**	**80%**
Eng. as a Foreign Language	88%	89%	92%	92%	92%	90%
Foreign Languages	79%	76%	79%	79%	78%	84%
Speech	82%	85%	83%	85%	83%	81%
Music	80%	85%	87%	86%	83%	81%
Art	83%	83%	84%	81%	82%	78%
TV, Radio and Film	75%	80%	78%	81%	80%	77%
Theater	72%	81%	80%	72%	73%	73%
Philosophy	74%	80%	66%	74%	71%	72%
Hum 198/Art Experiences	–	50%	58%	56%	65%	7%

Course Completion Rates

Fall 1989 - 1994

DIVISIONS/DISCIPLINES	1989	1990	1991	1992	1993	1994
Social Science	**75%**	**74%**	**76%**	**78%**	**75%**	**78%**
Sociology	70%	69%	76%	78%	79%	83%
Political Science	71%	80%	70%	75%	79%	80%
Psychology	77%	72%	78%	79%	74%	79%
History	76%	77%	77%	80%	76%	76%
Economics	76%	75%	75%	77%	74%	75%
Geography	67%	67%	78%	76%	73%	73%
Anthropology	69%	62%	76%	64%	61%	62%
English Studies	**71%**	**73%**	**71%**	**75%**	**78%**	**77%**
Literature	84%	86%	87%	87%	85%	88%
Advanced Writing	77%	81%	80%	82%	83%	80%
Composition	66%	67%	65%	70%	74%	74%
Science and Mathematics	**67%**	**67%**	**65%**	**69%**	**67%**	**68%**
Engineering	71%	74%	79%	79%	80%	83%
Physics	64%	79%	87%	73%	84%	79%
Biology	72%	69%	73%	72%	72%	73%
Horticulture	93%	86%	65%	70%	61%	69%
Physical Science	80%	77%	72%	76%	73%	69%
Math	62%	62%	59%	65%	61%	65%
Chemistry	57%	65%	64%	66%	69%	60%
EDUCATIONAL DEVELOPMENT	**66%**	**67%**	**65%**	**64%**	**63%**	**63%**
Education	98%	100%	94%	100%	100%	96%
College Learning Skills	100%	68%	97%	86%	–	77%
Developmental Learning Support	73%	66%	68%	70%	72%	74%
Developmental English	67%	71%	70%	70%	66%	67%
Developmental Reading	65%	70%	68%	68%	68%	62%
Developmental Math	63%	64%	59%	59%	58%	61%
Career Assessment & Planning	**77%**	**82%**	**82%**	**75%**	**76%**	**76%**
Cooperative Education Classes	**–**	**–**	**–**	**–**	**–**	**92%**
TOTAL COLLEGE	**75%**	**76%**	**76%**	**77%**	**76%**	**77%**

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Course Completion Rates

By Age Group

All Disciplines, Fall 1994

DIVISIONS/DISCIPLINES	Under 21 Initial Enrollment	Under 21 Number Passing	Under 21 Pass Rate	21 - 25 Initial Enrollment	21 - 25 Number Passing	21 - 25 Pass Rate	Over 25 Initial Enrollment	Over 25 Number Passing	Over 25 Pass Rate
OCCUPATIONAL EDUCATION	**1,487**	**1,120**	**75.3%**	**1,779**	**1,436**	**80.7%**	**4,007**	**3,548**	**88.5%**
Health Technology	**36**	**30**	**83.3%**	**172**	**155**	**90.1%**	**479**	**448**	**93.5%**
Radiography	20	20	100.0%	38	38	100.0%	82	82	100.0%
Health Services	2	1	50.0%	5	5	100.0%	6	6	100.0%
Nuclear Medicine	0	0	NA	12	12	100.0%	35	34	97.1%
Health Information Technology	11	7	63.6%	21	18	85.7%	65	62	95.4%
Nursing	3	2	66.7%	76	66	86.8%	241	220	91.3%
Respiratory Therapy	0	0	NA	20	16	80.0%	50	44	88.0%
Business/Management	**1,007**	**769**	**76.4%**	**1,156**	**938**	**81.1%**	**2,399**	**2,122**	**88.5%**
Early Childhood Mgmt.	4	3	75.0%	10	10	100.0%	40	40	100.0%
Early Childhood Ed.	37	35	94.6%	60	57	95.0%	83	79	95.2%
Hospitality Services Mgt.	7	6	85.7%	14	9	64.3%	33	31	93.9%
Criminal Justice Tech.	303	258	85.1%	194	156	80.4%	206	192	93.2%
Management	267	213	79.8%	273	224	82.1%	615	567	92.2%
Construction Mgmt.	0	0	NA	4	4	100.0%	37	34	91.9%
Business	27	22	81.5%	70	64	91.4%	144	132	91.7%
Office Administration	64	39	60.9%	80	64	80.0%	178	160	89.9%
Paralegal	59	49	83.1%	109	95	87.2%	321	286	89.1%
Marketing	43	28	65.1%	42	34	81.0%	77	64	83.1%
Accounting	190	114	60.0%	290	214	73.8%	637	522	81.9%
Real Estate	6	2	33.3%	10	7	70.0%	28	15	53.6%
Computer and Engineering	**444**	**321**	**72.3%**	**451**	**343**	**76.1%**	**1,129**	**978**	**86.6%**
Engineering Technology	59	43	72.9%	64	53	82.8%	217	191	88.0%
Computer Information Systems	385	278	72.2%	387	290	74.9%	912	787	86.3%
GENERAL EDUCATION	**6,897**	**4,960**	**71.9%**	**4,515**	**3,323**	**73.6%**	**4,864**	**4,046**	**83.2%**
Physical Education & Health	**534**	**453**	**84.8%**	**265**	**214**	**80.8%**	**320**	**280**	**87.5%**
Health	153	139	90.8%	78	72	92.3%	66	60	90.9%
Physical Education	381	314	82.4%	187	142	75.9%	254	220	86.6%
Humanities	**1,463**	**1,113**	**76.1%**	**945**	**736**	**77.9%**	**957**	**855**	**89.3%**
TV, Radio, and Film	30	25	83.3%	18	11	61.1%	4	4	100.0%
Eng. as a Foreign Language	200	186	93.0%	156	129	82.7%	160	148	92.5%
Foreign Languages	80	70	87.5%	82	61	74.4%	85	77	90.6%
Speech	537	414	77.1%	282	224	79.4%	323	292	90.4%
Philosophy	179	109	60.9%	136	95	69.9%	128	114	89.1%
Art	271	194	71.6%	157	126	80.3%	160	141	88.1%
Music	113	83	73.5%	80	70	87.5%	78	66	84.6%
Theater	49	32	65.3%	28	20	71.4%	15	12	80.0%
Hum 198/Artistic Experience	4	0	0.0%	6	0	0.0%	4	1	25.0%

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Course Completion Rates

By Age Group

All Disciplines, Fall 1994

DIVISIONS/DISCIPLINES	Under 21 Initial Enrollment	Under 21 Number Passing	Under 21 Pass Rate	21 - 25 Initial Enrollment	21 - 25 Number Passing	21 - 25 Pass Rate	Over 25 Initial Enrollment	Over 25 Number Passing	Over 25 Pass Rate
Social Science	**1,677**	**1,234**	**73.6%**	**1,064**	**815**	**76.6%**	**929**	**799**	**86.0%**
Geography	57	37	64.9%	32	23	71.9%	21	20	95.2%
Political Science	74	51	68.9%	84	65	77.4%	84	77	91.7%
Psychology	605	460	76.0%	333	253	76.0%	356	306	86.0%
History	524	376	71.8%	304	225	74.0%	206	176	85.4%
Sociology	236	194	82.2%	164	137	83.5%	128	109	85.2%
Economics	164	108	65.9%	133	102	76.7%	118	100	84.7%
Anthropology	17	8	47.1%	14	10	71.4%	16	11	68.8%
English Studies	**1,577**	**1,160**	**73.6%**	**822**	**616**	**74.9%**	**945**	**796**	**84.2%**
Literature	125	112	89.6%	134	114	85.1%	111	100	90.1%
Advanced Writing	260	203	78.1%	260	199	76.5%	307	262	85.3%
Composition	1,192	845	70.9%	428	303	70.8%	527	434	82.4%
Science and Mathematics	**1,646**	**1,000**	**60.8%**	**1,419**	**942**	**66.4%**	**1,713**	**1,316**	**76.8%**
Physics	45	31	68.9%	69	55	79.7%	79	67	84.8%
Biology	409	271	66.3%	454	319	70.3%	713	552	77.4%
Math	888	520	58.6%	589	369	62.6%	572	442	77.3%
Physical Science	134	89	66.4%	99	64	64.6%	123	93	75.6%
Chemistry	151	72	47.7%	161	93	57.8%	168	122	72.6%
Engineering	18	16	88.9%	42	38	90.5%	38	27	71.1%
Horticulture	1	1	100.0%	5	4	80.0%	20	13	65.0%
EDUCATIONAL DEVELOPMENT	**1,555**	**919**	**59.1%**	**449**	**277**	**61.7%**	**762**	**548**	**71.9%**
College Learning Skills	6	4	66.7%	1	0	0.0%	6	6	100.0%
Education	1	1	100.0%	5	5	100.0%	20	19	95.0%
Developmental Reading	433	264	61.0%	72	35	48.6%	103	75	72.8%
Developmental Math	755	401	53.1%	303	190	62.7%	537	383	71.3%
Developmental English	247	162	65.6%	54	38	70.4%	75	51	68.0%
Developmental Learning Support	113	87	77.0%	14	9	64.3%	21	14	66.7%
Career Assessment & Planning	**171**	**127**	**74.3%**	**80**	**57**	**71.3%**	**120**	**98**	**81.7%**
Cooperative Education	**24**	**21**	**87.5%**	**34**	**31**	**91.2%**	**49**	**46**	**93.9%**
TOTAL COLLEGE	**10,134**	**7,147**	**70.5%**	**6,857**	**5,124**	**74.7%**	**9,802**	**8,286**	**84.5%**

Course Completion Rates

Male and Female Students

All Disciplines, Fall 1994

DIVISIONS/DISCIPLINES	MALE Initial Enrollment	MALE Number Passing	MALE Pass Rate	FEMALE Initial Enrollment	FEMALE Number Passing	FEMALE Pass Rate
OCCUPATIONAL EDUCATION	**2,682**	**2,185**	**81.5%**	**4,591**	**3,919**	**85.4%**
Health Technology	**166**	**156**	**94.0%**	**521**	**477**	**91.6%**
Radiography	58	58	100.0%	82	82	100.0%
Nuclear Medicine	29	29	100.0%	18	17	94.4%
Health Services	1	1	100.0%	12	11	91.7%
Nursing	33	25	75.8%	287	263	91.6%
Health Information Technology	13	13	100.0%	84	74	88.1%
Respiratory Therapy	32	30	93.8%	38	30	78.9%
Business/Management	**1,447**	**1,167**	**80.6%**	**3,115**	**2,662**	**85.5%**
Construction Management	38	35	92.1%	3	3	100.0%
Early Childhood Management	2	2	NA	52	51	98.1%
Early Childhood Education	11	11	100.0%	169	160	94.7%
Business	88	76	86.4%	153	142	92.8%
Paralegal	80	67	83.8%	409	363	88.8%
Management	401	336	83.8%	754	668	88.6%
Criminal Justice Technology	345	290	84.1%	358	316	88.3%
Office Administration	38	24	63.2%	284	239	84.2%
Marketing	62	47	75.8%	100	79	79.0%
Hospitality Services Mgt.	22	21	95.5%	32	25	78.1%
Accounting	340	247	72.6%	777	603	77.6%
Real Estate	20	11	55.0%	24	13	54.2%
Computer and Engineering	**1,069**	**862**	**80.6%**	**955**	**780**	**81.7%**
Computer Information Systems	794	627	79.0%	890	728	81.8%
Engineering Technology	275	235	85.5%	65	52	80.0%
GENERAL EDUCATION	**6,739**	**4,852**	**72.0%**	**9,537**	**7,477**	**78.4%**
Physical Education & Health	**408**	**339**	**83.1%**	**711**	**608**	**85.5%**
Health Education	89	80	89.9%	208	191	91.8%
Physical Education	319	259	81.2%	503	417	82.9%
Humanities	**1,476**	**1,131**	**76.6%**	**1,889**	**1,573**	**83.3%**
Eng. as a Foreign Language	226	202	89.4%	290	261	90.0%
Foreign Languages	80	58	72.5%	167	150	89.8%
Music	143	110	76.9%	128	109	85.2%
Speech	459	352	76.7%	683	578	84.6%
Art	295	226	76.6%	293	235	80.2%
Philosophy	189	126	66.7%	254	192	75.6%
TV, Radio and Film	40	31	77.5%	12	9	75.0%
Theater	36	26	72.2%	56	38	67.9%
Hum 198/Art Experiences	8	0	0.0%	6	1	16.7%

Course Completion Rates

Male and Female Students

All Disciplines, Fall 1994

DIVISIONS/DISCIPLINES	MALE Initial Enrollment	MALE Number Passing	MALE Pass Rate	FEMALE Initial Enrollment	FEMALE Number Passing	FEMALE Pass Rate
Social Science	1,444	1,073	74.3%	2,226	1,775	79.7%
Geography	62	39	62.9%	48	41	85.4%
Sociology	171	142	83.0%	357	298	83.5%
Psychology	391	285	72.9%	903	734	81.3%
History	481	347	72.1%	553	430	77.8%
Political Science	114	95	83.3%	128	98	76.6%
Economics	208	155	74.5%	207	155	74.9%
Anthropology	17	10	58.8%	30	19	63.3%
English Studies	1,339	959	71.6%	2,005	1,613	80.4%
Literature	149	128	85.9%	221	198	89.6%
Advanced Writing	319	242	75.9%	508	422	83.1%
Composition	871	589	67.6%	1,276	993	77.8%
Science and Mathematics	2,072	1,350	65.2%	2,706	1,908	70.5%
Engineering	80	65	81.3%	18	16	88.9%
Physics	118	93	78.8%	75	60	80.0%
Biology	444	317	71.4%	1,132	825	72.9%
Physical Science	160	106	66.3%	196	140	71.4%
Mathematics	1,019	618	60.6%	1,030	713	69.2%
Horticulture	17	12	70.6%	9	6	66.7%
Chemistry	234	139	59.4%	246	148	60.2%
EDUCATIONAL DEVELOPMENT	1,009	552	54.7%	1,757	1,192	67.8%
Education	6	6	100.0%	20	19	95.0%
Developmental Learning Support	60	37	61.7%	88	73	83.0%
College Learning Skills	5	4	80.0%	8	6	75.0%
Developmental English	153	88	57.5%	223	163	73.1%
Developmental Reading	235	129	54.9%	373	245	65.7%
Developmental Math	550	288	52.4%	1,045	686	65.6%
Career Assessment & Planning	128	89	69.5%	243	193	79.4%
Cooperative Education Classes	39	34	87.2%	68	64	94.1%
TOTAL COLLEGE	10,597	7,712	72.8%	16,196	12,845	79.3%

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Course Completion Rates

New and Continuing Students

All Disciplines, Fall 1994

DIVISIONS/DISCIPLINES	FIRST-TIME STUDENTS Initial Enrollment	Number Passing	Pass Rate	CONTINUING STUDENTS Initial Enrollment	Number Passing	Pass Rate
OCCUPATIONAL EDUCATION	**1,375**	**1,091**	**79.3%**	**5,898**	**5,013**	**85.0%**
Health Technology	**50**	**41**	**82.0%**	**637**	**592**	**92.9%**
Radiography	18	18	100.0%	122	122	100.0%
Nuclear Medicine	0	0	--	47	46	97.9%
Health Information Technology	16	10	62.5%	81	77	95.1%
Health Services	0	0	--	13	12	92.3%
Nursing	6	5	83.3%	314	283	90.1%
Respiratory Therapy	10	8	80.0%	60	52	86.7%
Business/Management	**871**	**680**	**78.1%**	**3,691**	**3,149**	**85.3%**
Early Childhood Program Management	13	13	100.0%	41	40	97.6%
Early Childhood Education	49	45	91.8%	131	126	96.2%
Business	10	7	70.0%	231	211	91.3%
Construction Management	13	13	100.0%	28	25	89.3%
Management	220	175	79.5%	935	829	88.7%
Paralegal	80	68	85.0%	409	362	88.5%
Criminal Justice Tech.	160	126	78.8%	543	480	88.4%
Hospitality Services Mgt.	12	11	91.7%	42	35	83.3%
Office Administration	76	59	77.6%	246	204	82.9%
Marketing	29	17	58.6%	133	109	82.0%
Accounting	198	137	69.2%	919	713	77.6%
Real Estate	11	9	81.8%	33	15	45.5%
Computer and Engineering	**454**	**370**	**81.5%**	**1,570**	**1,272**	**81.0%**
Engineering Technology	53	45	84.9%	287	242	84.3%
Computer Information Systems	401	325	81.0%	1,283	1,030	80.3%
GENERAL EDUCATION	**4,953**	**3,645**	**73.6%**	**11,323**	**8,684**	**76.7%**
Physical Education & Health	**298**	**240**	**81.1%**	**823**	**707**	**85.9%**
Health	57	49	86.0%	240	222	92.5%
Physical Education	239	191	79.9%	583	485	83.2%
Humanities	**1,233**	**980**	**79.5%**	**2,132**	**1,724**	**80.9%**
Eng. as a Foreign Language	330	304	92.1%	186	159	85.5%
Music	90	65	72.2%	181	154	85.1%
Foreign Languages	57	47	82.5%	190	161	84.7%
Speech	434	335	77.2%	708	595	84.0%
Art	161	122	75.8%	427	339	79.4%
Philosophy	110	67	60.9%	333	251	75.4%
TV, Radio and Film	21	18	85.7%	31	22	71.0%
Theater	27	22	81.5%	65	42	64.6%
Hum 198/Art Experiences	3	0	0.0%	11	1	9.1%

Course Completion Rates

New and Continuing Students

All Disciplines, Fall 1994

DIVISIONS/DISCIPLINES	FIRST-TIME STUDENTS Initial Enrollment	Number Passing	Pass Rate	CONTINUING STUDENTS Initial Enrollment	Number Passing	Pass Rate
Social Science	**1,004**	**749**	**74.6%**	**2,666**	**2,099**	**78.7%**
Sociology	113	91	80.5%	415	349	84.1%
Political Science	37	27	73.0%	205	166	81.0%
Psychology	399	312	78.2%	895	707	79.0%
History	306	215	70.3%	728	562	77.2%
Economics	109	75	68.8%	306	235	76.8%
Geography	29	21	72.4%	81	59	72.8%
Anthropology	11	8	72.7%	36	21	58.3%
English Studies	**1,291**	**969**	**75.1%**	**2,053**	**1,603**	**78.1%**
Literature	26	23	88.5%	344	303	88.1%
Advanced Writing	85	66	77.6%	742	598	80.6%
Composition	1,180	880	74.6%	967	702	72.6%
Science and Mathematics	**1,129**	**707**	**62.6%**	**3,649**	**2,551**	**69.9%**
Engineering	14	10	71.4%	84	71	84.5%
Physics	26	18	69.2%	167	135	80.8%
Horticulture	7	4	57.1%	19	14	73.7%
Biology	269	192	71.4%	1,307	950	72.7%
Physical Science	54	35	64.8%	302	211	69.9%
Mathematics	641	385	60.1%	1,408	946	67.2%
Chemistry	118	63	53.4%	362	224	61.9%
EDUCATIONAL DEVELOPMENT	**1,533**	**974**	**63.5%**	**1,233**	**770**	**62.4%**
Education	12	11	91.7%	14	14	100.0%
College Learning Skills	4	2	50.0%	9	8	88.9%
Developmental English	256	175	68.4%	120	76	63.3%
Developmental Math	700	413	59.0%	895	561	62.7%
Developmental Reading	438	277	63.2%	170	97	57.1%
Developmental Learning Support	123	96	78.0%	25	14	56.0%
Career Assessment & Planning	**152**	**106**	**69.7%**	**219**	**176**	**80.4%**
Cooperative Education Classes	**10**	**9**	**90.0%**	**97**	**89**	**91.8%**
TOTAL COLLEGE	**8,023**	**5,825**	**72.6%**	**18,770**	**14,732**	**78.5%**

Course Completion Rates

By Race

All Disciplines, Fall 1994

DIVISIONS/DISCIPLINES	BLACK Initial Enrollment	BLACK Number Passing	BLACK Pass Rate	WHITE Initial Enrollment	WHITE Number Passing	WHITE Pass Rate	ASIAN/HISPANIC NATIVE AMERICAN Initial Enrollment	ASIAN/HISPANIC NATIVE AMERICAN Number Passing	ASIAN/HISPANIC NATIVE AMERICAN Pass Rate
OCCUPATIONAL EDUCATION	**4,522**	**3,738**	**82.7%**	**2,166**	**1,876**	**86.6%**	**585**	**490**	**83.8%**
Health Technology	**288**	**261**	**90.6%**	**325**	**304**	**93.5%**	**74**	**68**	**91.9%**
Radiography	42	42	100.0%	86	86	100.0%	12	12	100.0%
Health Services	18	18	100.0%	21	20	95.2%	8	8	100.0%
Nuclear Medicine	13	12	92.3%	0	0	NA	0	0	NA
Respiratory Therapy	145	132	91.0%	138	125	90.6%	37	31	83.8%
Medical Records Tech.	50	45	90.0%	34	29	85.3%	13	13	100.0%
Nursing	20	12	60.0%	46	44	95.7%	4	4	100.0%
Business/Management	**3,049**	**2,542**	**83.4%**	**1,230**	**1,055**	**85.8%**	**283**	**232**	**82.0%**
Early Childhood Mgmt.	49	49	100.0%	3	2	66.7%	2	2	100.0%
Early Childhood Ed.	118	111	94.1%	52	51	98.1%	10	9	90.0%
Paralegal	352	317	90.1%	124	108	87.1%	13	5	38.5%
Business	181	162	89.5%	45	43	95.6%	15	13	86.7%
Construction Management	25	22	88.0%	15	15	100.0%	1	1	100.0%
Management	785	674	85.9%	300	267	89.0%	70	63	90.0%
Criminal Justice Tech.	431	366	84.9%	241	212	88.0%	31	28	90.3%
Office Administration	233	191	82.0%	70	55	78.6%	19	17	89.5%
Marketing	119	94	79.0%	36	28	77.8%	7	4	57.1%
Hospitality Services Mgt.	26	20	76.9%	24	22	91.7%	4	4	100.0%
Accounting	700	522	74.6%	308	244	79.2%	109	84	77.1%
Real Estate	30	14	46.7%	12	8	66.7%	2	2	100.0%
Computer and Engineering	**1,185**	**935**	**78.9%**	**611**	**517**	**84.6%**	**228**	**190**	**83.3%**
Engineering Technology	189	158	83.6%	100	87	87.0%	51	42	82.4%
Computer Information Systems	996	777	78.0%	511	430	84.1%	177	148	83.6%
GENERAL EDUCATION	**8,891**	**6,505**	**73.2%**	**5,175**	**4,136**	**79.9%**	**2,210**	**1,688**	**76.4%**
Physical Education & Health	**671**	**566**	**84.4%**	**343**	**293**	**85.4%**	**105**	**88**	**83.8%**
Health	173	156	90.2%	102	95	93.1%	22	20	90.9%
Physical Education	498	410	82.3%	241	198	82.2%	83	68	81.9%
Humanities	**1,688**	**1,314**	**77.8%**	**992**	**816**	**82.3%**	**685**	**574**	**83.8%**
Eng. as a Foreign Language	173	161	93.1%	22	20	90.9%	321	282	87.9%
Foreign Languages	132	110	83.3%	87	71	81.6%	28	27	96.4%
Speech	673	535	79.5%	308	256	83.1%	161	139	86.3%
Music	132	101	76.5%	121	104	86.0%	18	14	77.8%
Theatre	46	34	73.9%	37	24	64.9%	9	6	66.7%
Art	237	173	73.0%	258	222	86.0%	93	66	71.0%
Philosophy	252	177	70.2%	139	103	74.1%	52	38	73.1%
TV, Radio, and Film	32	22	68.8%	17	16	94.1%	3	2	66.7%
Hum 198/Artistic Experience	11	1	9.1%	3	0	NA	0	0	NA

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Course Completion Rates

By Race

All Disciplines, Fall 1994

DIVISIONS/DISCIPLINES	BLACK Initial Enrollment	BLACK Number Passing	BLACK Pass Rate	WHITE Initial Enrollment	WHITE Number Passing	WHITE Pass Rate	ASIAN/HISPANIC NATIVE AMERICAN Initial Enrollment	ASIAN/HISPANIC NATIVE AMERICAN Number Passing	ASIAN/HISPANIC NATIVE AMERICAN Pass Rate
Social Science	**1,987**	**1,498**	**75.4%**	**1,311**	**1,068**	**81.5%**	**372**	**282**	**75.8%**
Sociology	299	244	81.6%	176	154	87.5%	53	42	79.2%
Political Science	153	123	80.4%	73	60	82.2%	16	10	62.5%
Psychology	739	561	75.9%	411	340	82.7%	144	118	81.9%
History	503	367	73.0%	427	336	78.7%	104	74	71.2%
Economics	225	159	70.7%	146	121	82.9%	44	30	68.2%
Geography	43	30	69.8%	59	44	74.6%	8	6	75.0%
Anthropology	25	14	56.0%	19	13	68.4%	3	2	66.7%
English Studies	**2,062**	**1,548**	**75.1%**	**942**	**757**	**80.4%**	**340**	**267**	**78.5%**
Literature	178	152	85.4%	150	136	90.7%	42	38	90.5%
Advanced Writing	510	410	80.4%	231	188	81.4%	86	66	76.7%
Composition	1,374	986	71.8%	561	433	77.2%	212	163	76.9%
Science and Mathematics	**2,483**	**1,579**	**63.6%**	**1,587**	**1,202**	**75.7%**	**708**	**477**	**67.4%**
Physics	75	53	70.7%	74	64	86.5%	44	36	81.8%
Biology	922	636	69.0%	448	364	81.3%	206	142	68.9%
Math	1,079	650	60.2%	678	474	69.9%	292	207	70.9%
Physical Science	142	85	59.9%	179	147	82.1%	35	14	40.0%
Chemistry	233	137	58.8%	149	103	69.1%	98	47	48.0%
Horticulture	7	4	57.1%	18	13	72.2%	1	1	100.0%
Engineering	25	14	56.0%	41	37	90.2%	32	30	93.8%
EDUCATIONAL DEVELOPMENT	**2,255**	**1,397**	**62.0%**	**353**	**246**	**69.7%**	**158**	**101**	**63.9%**
Education	18	17	94.4%	8	8	100.0%	0	0	NA
College Learning Skills	9	7	77.8%	4	3	75.0%	0	0	NA
Developmental Learning Support	134	100	74.6%	10	6	60.0%	4	4	100.0%
Developmental English	314	205	65.3%	40	30	75.0%	22	16	72.7%
Developmental Reading	534	326	61.0%	45	30	66.7%	29	18	62.1%
Developmental Math	1,246	742	59.6%	246	169	68.7%	103	63	61.2%
Career Assessment & Planning	**282**	**195**	**74.4%**	**90**	**71**	**78.9%**	**19**	**16**	**84.2%**
Cooperative Education	**79**	**70**	**88.6%**	**21**	**21**	**100.0%**	**7**	**7**	**100.0%**
TOTAL COLLEGE	**16,009**	**11,905**	**74.4%**	**7,805**	**6,350**	**81.4%**	**2,979**	**2,302**	**77.3%**

Course Pass Rates, Fall 1994
Courses with over 100 Initial Enrollments

	Initial Enrollments	Successful Completions	Percent Passing
HLE 115	177	166	93.8%
CIS 170	103	96	93.2%
MGT 162	163	151	92.6%
BIO 106	148	135	91.2%
BUS 122	192	171	89.1%
PSY 207	184	163	88.6%
EFL 106	113	100	88.5%
PAR 151	160	140	87.5%
SPH109	203	176	86.7%
EGL 207	118	102	86.4%
SPN 101	170	144	84.7%
MGT 160	173	146	84.4%
MGT 101	479	404	84.3%
CJT 151	128	107	83.6%
CAP 131	111	92	82.9%
MUS 101	140	116	82.9%
SOC 101	481	396	82.3%
PED 103	822	676	82.2%
PAR 155	101	82	81.2%
POS 101	162	131	80.9%
CIS 101	830	659	79.4%
MKG 251	126	100	79.4%
EGL 102	815	646	79.3%
SPH101	763	594	77.9%
HST 141	450	346	76.9%
ART 101	239	183	76.6%
BIO 115	232	177	76.3%
HST 143	164	125	76.2%
PSY 101	917	696	75.9%
ACC 102	176	133	75.6%
EGL 101	1,835	1,384	75.4%
DVM 005	236	177	75.0%
DLS 003	148	110	74.3%

Course Pass Rates, Fall 1994
Courses with over 100 Initial Enrollments

	Initial Enrollments	Successful Completions	Percent Passing
MAT 114	212	155	73.1%
ECN 103	296	216	73.0%
BIO 101	495	361	72.9%
BIO 201	182	132	72.5%
CAP 102	167	121	72.5%
MAT 126	108	77	71.3%
ACC 101	428	304	71.0%
PHL 101	412	290	70.4%
MAT 112	596	417	70.0%
CIS 111	228	159	69.7%
DVM 007	211	144	68.2%
HST 131	155	105	67.7%
DVE 001	376	251	66.8%
ACC100	170	113	66.5%
BIO 105	336	223	66.4%
DVR 005	240	155	64.6%
PSC 101	142	90	63.4%
EGL 100	297	188	63.3%
DVM 006	121	74	61.2%
DVR 006	368	219	59.5%
MAT 107	253	149	58.9%
MAT 108	115	66	57.4%
DVM 003	533	304	57.0%
DVM 001	181	101	55.8%
DVM 004	313	174	55.6%
MAT 125	251	134	53.4%
CHM 101	268	131	48.9%